

receiving an analog signal and generating local audio packets;

5 receiving packets at the packet forwarding system including local audio packets and
storing the packets in the memory of the packet forwarding system;

attempting to forward packets stored in the memory to the network;

establishing one or more time limit within which to forward packets stored in the
memory to the network with the time limit linked to the type of the data included in the packet;

10 monitoring an elapsed period of time while attempting to forward packets stored in the
memory to the network; and

canceling said attempting to forward a packet stored in the memory to the network,
when the elapsed period of time exceeds the time limit associated with the type of the data
included in the packet.

Claim 3 has not been changed by this amendment and remains as follows.

3. The method of claim 1 further comprising the step of allowing transmission of the
packet stored in the memory to be completed when that packet is currently being transmitted
over the network.

Claim 4 has not been changed by this amendment and remains as follows.

4. The method of claim 1 further comprising the step of interrupting transmission of the
packet stored in the memory when that packet is currently being transmitted over the network.

Claim 5 has not been changed by this amendment and remains as follows.

5. The method of claim 1 further comprising the steps of resetting a timer to allow additional attempts to forward the packet stored in the memory when that packet is not currently being transmitted over the network.

Claim 6 has not been changed by this amendment and remains as follows.

6. The method of claim 1, further comprising replacing the packet stored in memory with a new packet including the same data as the replaced packet when it is determined to cancel the forwarding of the stored packet.

Claim 7 has not been changed by this amendment and remains as follows.

7. The method of claim 1, wherein: said new packet includes different data than the replaced packet when it is determined to cancel the forwarding of the stored packet.

Claim 8 has not been changed by this amendment and remains as follows.

8. The method of claim 7 wherein the packet stored in memory includes time-sensitive data and protocol-related data, and the new packet has the same time-sensitive data and different protocol-related data as the replaced packet.

Claim 9 has not been changed by this amendment and remains as follows.

9. The method of claim 8 further comprising the steps of:

resetting a back-off level; and
attempting to forward the new packet to the network.

Claim 10 has not been changed by this amendment and remains as follows.

10. The method of claim 8 further comprising the steps of:
initiating attempts to transmit the new packet to the network; and
resetting the elapsed period of time.

Claim 11 has not been changed by this amendment and remains as follows.

11. The method of claim 8 wherein the packet stored in memory includes time-sensitive data and the step of replacing the packet stored in memory with a new packet can occur a predetermined maximum number of times.

Claim 12 has not been changed by this amendment and remains as follows.

12. The method of claim 7 wherein the packet stored in memory includes time-sensitive data and protocol-related data, and the new packet has different time-sensitive data and the same protocol-related data as the replaced packet.

Claim 13 has not been changed by this amendment and remains as follows.

13. The method of Claim 1 wherein the steps of monitoring, establishing the time limit, and determining whether to cancel forwarding the packet stored in memory occur only when

the packet stored in the memory includes time-sensitive data.

Claim 14 has previously been canceled.

Claim 15 has not been changed by this Amendment and remains as follows.

15. A method for forwarding packets to a network, the method comprising the steps of:

providing a packet forwarding system with a memory, said packet forwarding system being connected to the network;

5 creating a first packet at the packet forwarding system and storing said first packet in said memory of said packet forwarding system;

attempting to forward said first packet stored in said memory to the network;

establishing a time limit within which to forward said first packet stored in said memory to the network;

10 monitoring an elapsed period of time during said attempting to forward said first packet stored in said memory to the network;

canceled said attempting to forward said first packet stored in said memory to the network when said elapsed period of time exceeds said time limit and said first packet has not been forwarded;

15 creating a second packet at said packet forwarding system after said creating of said first packet, said creating of said second packet including combining data of said first packet with

additional data to create data for said second packet;

replacing said first packet in said memory with said second packet after said canceling;
attempting to forward said second packet to the network after said replacing.

Claim 16 has previously been canceled.

Claim 17 has not been changed by this Amendment and remains as follows.

17. A method in accordance with claim 15, further comprising:

establishing a time limit within which to forward said second packet stored in said
memory to the network;

5 monitoring an elapsed period of time during said attempting to forward said second
packet stored in said memory to the network;

canceling said attempting to forward said second packet stored in said memory to the
network when said elapsed period of time exceeds said time limit and said second packet has
not been forwarded;

10 creating a third packet at said packet forwarding system, said creating of said third
packet includes combining data of said second packet with additional data to create data for
said third packet;

replacing said second packet in said memory with said third packet after said canceling;
attempting to forward said third packet to the network after said replacing.

Claim 18 has not been changed by this amendment and remains as follows.

18. A method in accordance with claim 17, further comprising:
limiting a number of steps of said combining of data from a previous packet with additional data
to below a predetermined retry maximum.

Claim 19 has not been changed by this amendment and remains as follows.

19. A method in accordance with claim 15, further comprising:
finishing forwarding said first packet if said first packet is being forwarded when said elapsed
period of time exceeds said time limit.

Claim 20 has not been changed by this amendment and remains as follows.

20. A method in accordance with claim 15, further comprising:
interrupting forwarding said first packet if said first packet is being forwarded when said elapsed
period of time exceeds said time limit.

Claim 21 has not been changed by this amendment and remains as follows.

21. A method in accordance with claim 15, wherein:
said creating of said second packet includes creating new data for said second packet.

Claim 22 has not been changed by this amendment and remains as follows.

22. A method in accordance with claim 15, wherein:
said steps of monitoring, establishing said time limit, and canceling forwarding of said first

packet occur only when said first packet includes time-sensitive data.

Claim 23 has not been changed by this amendment and remains as follows.

23. A method in accordance with claim 15, wherein:

said creating of said first packet is performed using local audio as a data portion of the packet.

Please cancel claim 24 without prejudice.

Please replace claim 25 as follows.

25. A method in accordance with claim 32, wherein:

said forwarding of said workstation packets to the network is interrupted during said attempting to forward said first packet to the network.

Claim 26 has not been changed by this amendment and remains as follows.

26. A method in accordance with claim 25, wherein:

said creating of said first packet is performed using local audio as a data portion of the packet;

said creating of said second packet includes combining data of said first packet with additional local audio to create data for said second packet.

Claim 27 has not been changed by this amendment and remains as follows.

27. A method in accordance with claim 15, wherein:

said attempting includes waiting for a free period on the network and forwarding said first packet to the network during a first said free period.

Claim 28 has previously been canceled.

Claim 29 has not been changed by this Amendment and remains as follows:

29. A method in accordance with claim 15, further comprising:

receiving another packet at said packet forwarding system from another network, said network and said another network having separate collision domains.

Claim 30 has not been changed by this amendment and remains as follows.

30. A method in accordance with claim 1, wherein said step of receiving packets includes receiving a packet at said packet forwarding system from a network collision domain that is different from the collision domain associated with the forwarding device.

Claim 31 has not been changed by this amendment and remains as follows:

31. A method for forwarding packets to a network, comprising the steps of:

providing a packet forwarding system with a memory, said packet forwarding system being connected to the network;

receiving an analog signal and generating local audio packets with local audio data;

5 receiving packets at the packet forwarding system including the audio packets and
storing the packets in the memory of the packet forwarding system;

attempting to forward the packet stored in the memory to the network;

establishing one or more time limit within which to forward packets stored in the
memory including a time limit based on the packet containing local audio data;

10 monitoring an elapsed period of time while attempting to forward a packet containing
local audio data to the network; and

canceling said attempt to forward the packet stored in the memory to the network when
the packet contains local audio data and the elapsed period of time exceeds the time limit based
on the packet containing local audio data.

Claims 32 and 33 have previously been canceled.

Please amend Claim 34 as follows:

²⁴34. (TWICE AMENDED) A network method for forwarding packets, the method
comprising:

5 providing a device with a local audio source and a packet controller for forming local
audio packets,

providing a packet forwarding device with a memory, said packet forwarding device
being connected to the device and being connected to a first collision domain and a second
collision domain;

receiving packets at the packet forwarding device from the device, from the first

collision domain and from the second collision domain and storing the packets in the memory
10 of the packet forwarding system;
providing a time limit for local audio packets to be held in the memory;
attempting to forward packets stored in the memory to any one of the device and the
first collision domain and the second collision domain;
monitoring an elapsed period of time while attempting to forward the local audio packet
15 stored in the memory to one of the first collision domain and the second collision domain; and
canceling said attempting to forward the local audio packet stored in the memory to the
one of the first collision domain and the second collision domain, wherein said audio packet
contains time sensitive audio data and no time limit or a different time limit is established for
packets received from one of said first collision domain and said second collision domain other
20 than for packets received with audio data.

Claim 35 has not been changed by this amendment and remains as follows.

35. A method in accordance with claim 34, wherein the device with a local audio source
and the packet forwarding device and memory are part of a network telephone device and the
first collision domain is in one of a local area network, wide area network and internet protocol
network and the second collision domain is a connected computer device.

Claim 36 has previously been Amended.